

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077459.D
 Acq On : 31 Oct 2023 14:25
 Operator : JC/SY
 Sample : 05141-02
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:07:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

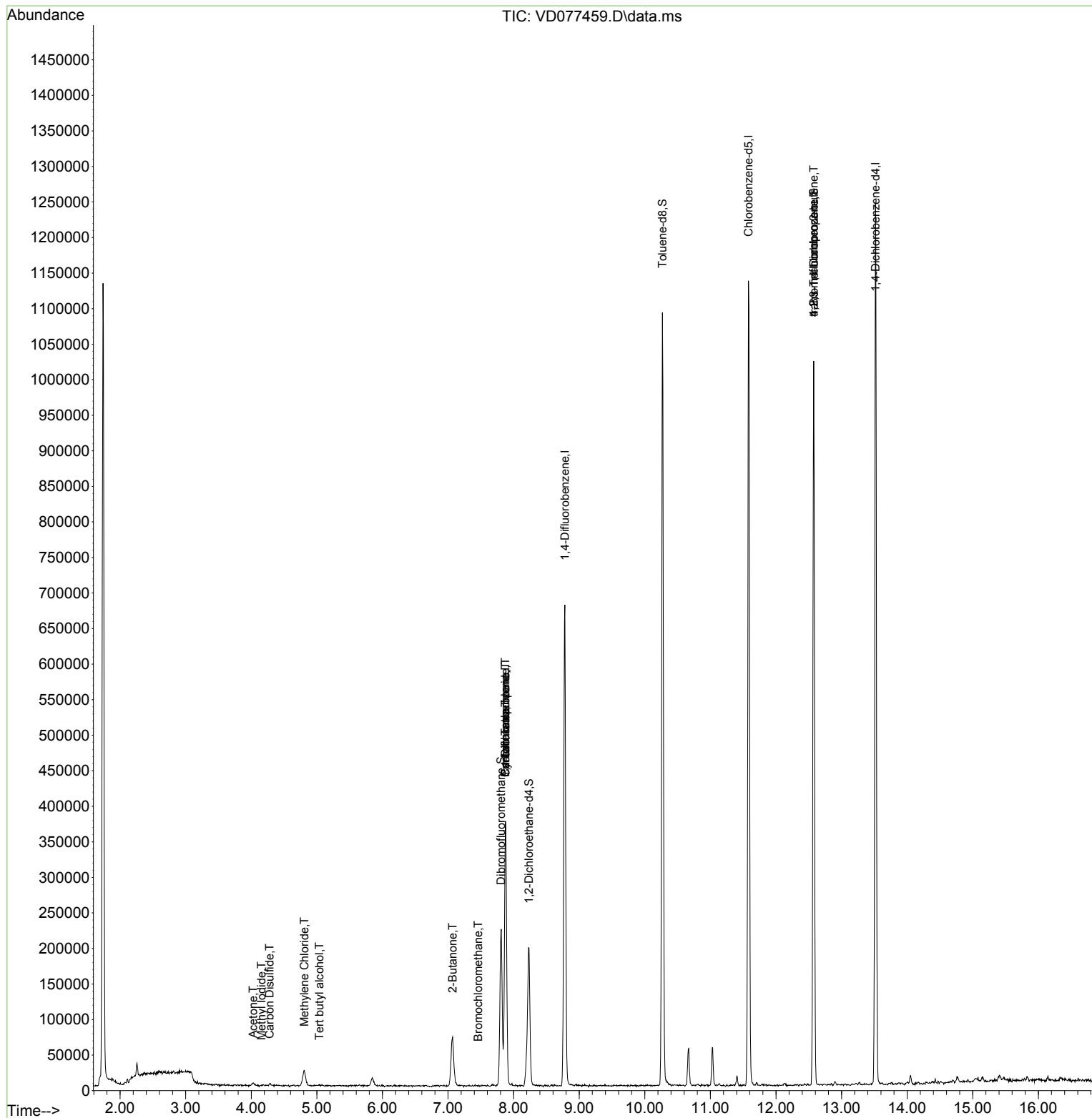
Internal Standards						
1) Pentafluorobenzene	7.875	168	269111	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	542857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	594845	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	307085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	150285	39.493	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.980%		
35) Dibromofluoromethane	7.811	113	159374	42.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.960%		
50) Toluene-d8	10.269	98	710838	48.775	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.575	95	310606	63.279	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	126.560%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	59	3.164	ug/l #	1
11) Tert butyl alcohol	5.040	59	942	3.125	ug/l #	69
16) Acetone	4.028	43	5996	5.955	ug/l #	65
17) Carbon Disulfide	4.281	76	3578	4.155	ug/l #	54
20) Methylene Chloride	4.811	84	14789	1.565	ug/l #	66
25) 2-Butanone	7.069	43	7580	5.644	ug/l #	58
28) Bromochloromethane	7.458	49	71	2.127	ug/l #	1
31) Cyclohexane	7.875	56	8564	1.440	ug/l #	61
36) 1,1-Dichloropropene	7.875	75	26181	4.706	ug/l #	47
38) Carbon Tetrachloride	7.875	117	29067	5.545	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	178073	47.645	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	178073	92.032	ug/l #	17

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Instrument :

MSVOA_D

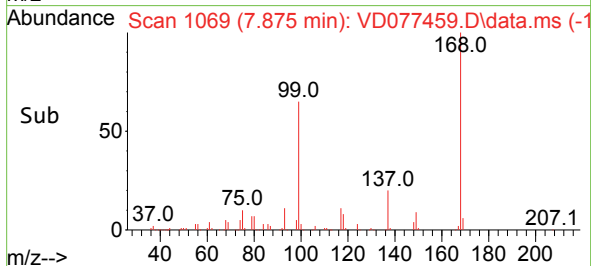
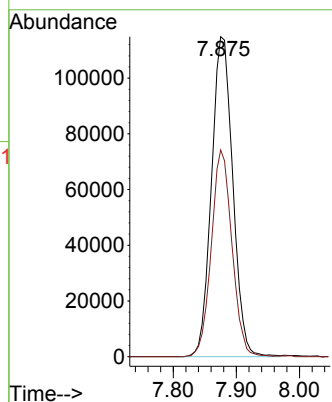
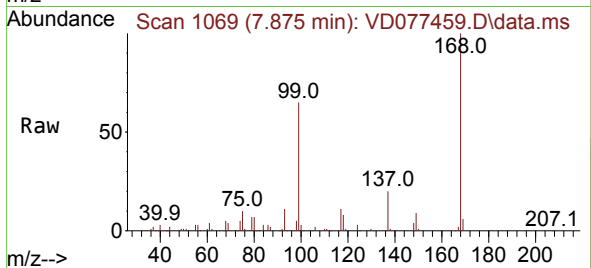
ClientSampleId :

Tgt Ion:168 Resp: 269111

Ion Ratio Lower Upper

168 100

99 64.6 36.7 55.1#



#10

Methyl Iodide

Concen: 3.164 ug/l

RT: 4.158 min Scan# 437

Delta R.T. -0.011 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

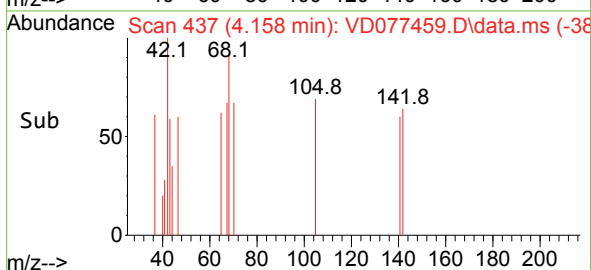
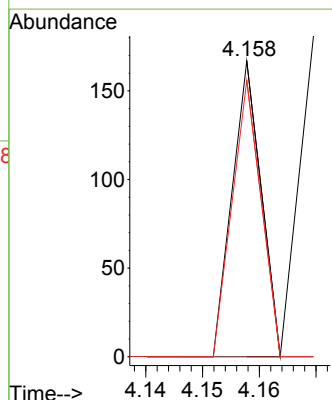
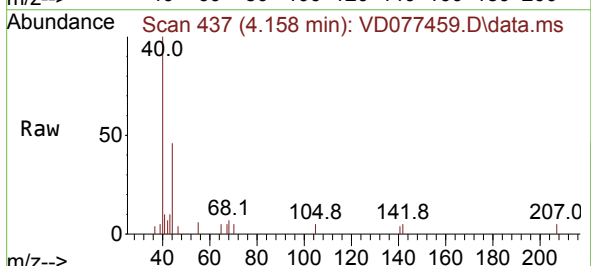
Tgt Ion:142 Resp: 59

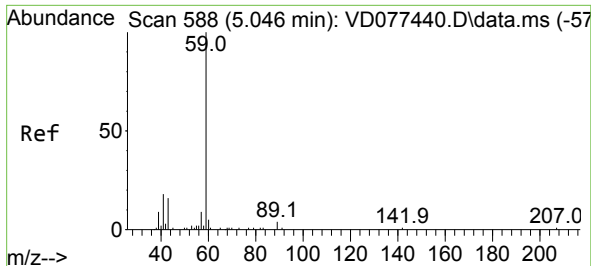
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 93.2 11.1 16.7#





#11

Tert butyl alcohol

Concen: 3.125 ug/l

RT: 5.040 min Scan# 588

Delta R.T. -0.006 min

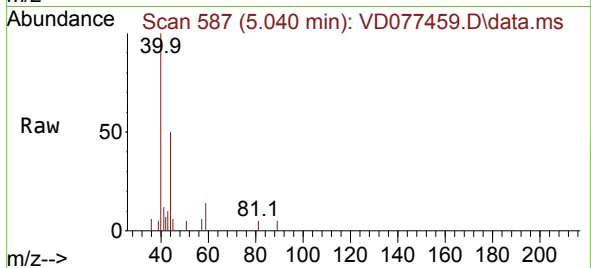
Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

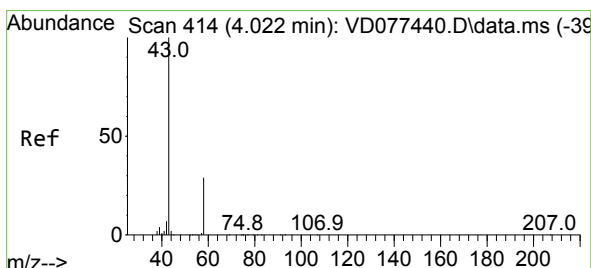
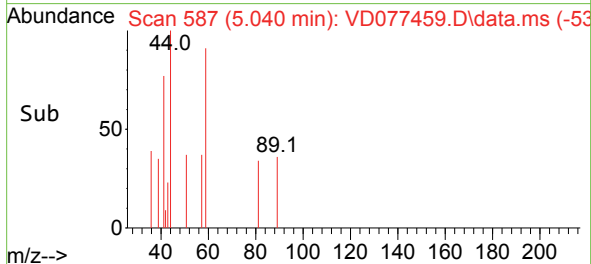
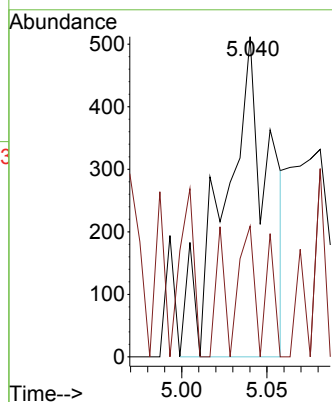


Tgt Ion: 59 Resp: 942

Ion Ratio Lower Upper

59 100

57 21.1 7.8 11.8#



#16

Acetone

Concen: 5.955 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077459.D

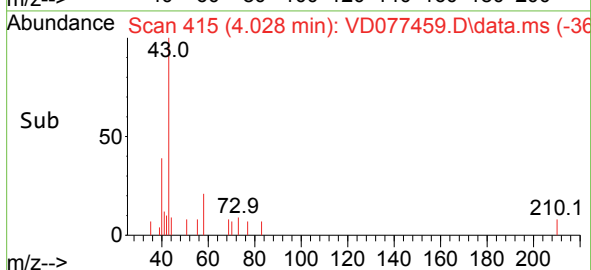
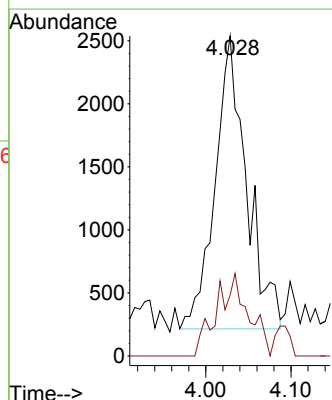
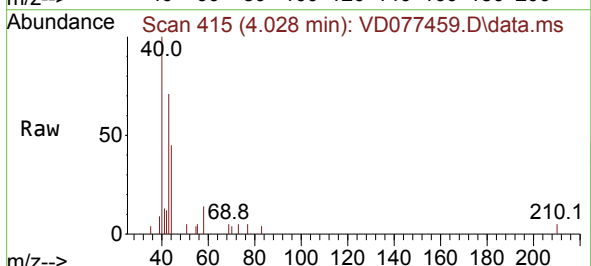
Acq: 31 Oct 2023 14:25

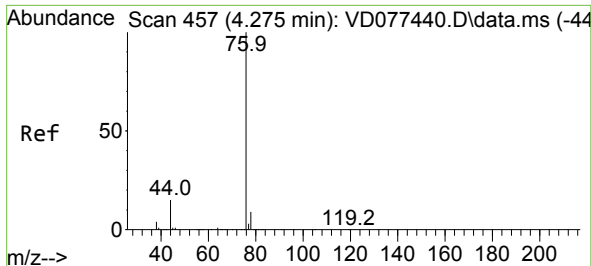
Tgt Ion: 43 Resp: 5996

Ion Ratio Lower Upper

43 100

58 20.7 34.7 52.1#





#17

Carbon Disulfide

Concen: 4.155 ug/l

RT: 4.281 min Scan# 4

Delta R.T. 0.006 min

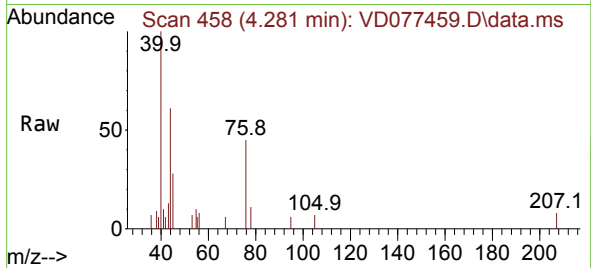
Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

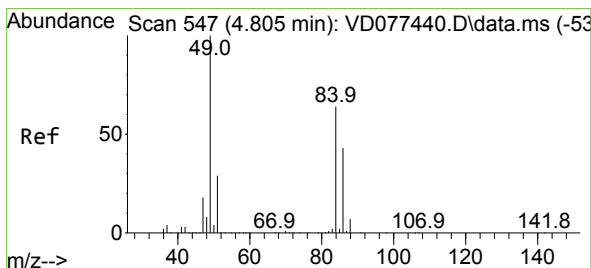
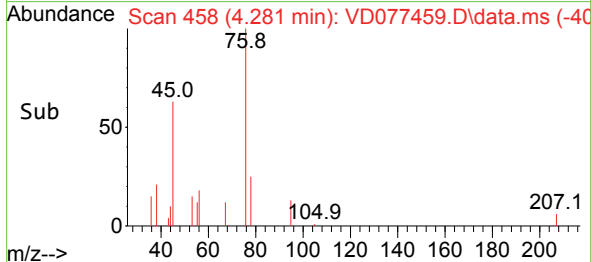
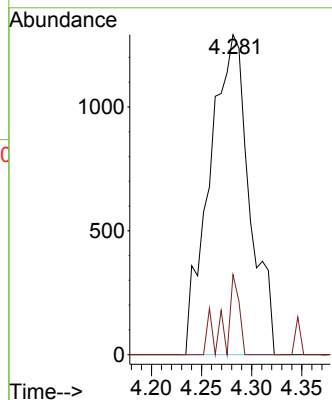


Tgt Ion: 76 Resp: 3578

Ion Ratio Lower Upper

76 100

78 25.0 6.8 10.2#



#20

Methylene Chloride

Concen: 1.565 ug/l

RT: 4.811 min Scan# 548

Delta R.T. 0.006 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Tgt Ion: 84 Resp: 14789

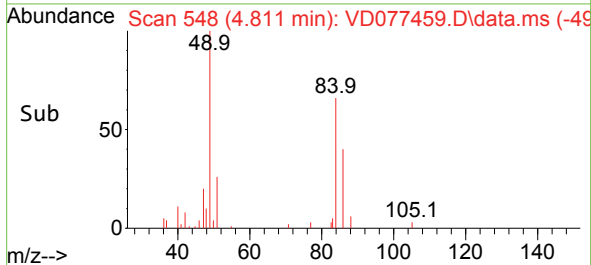
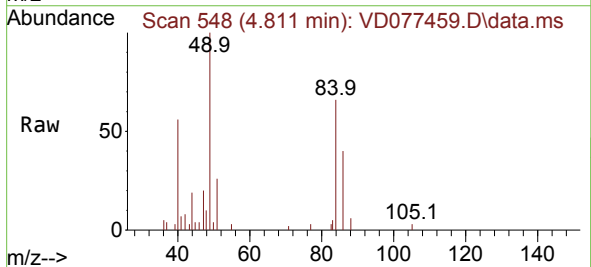
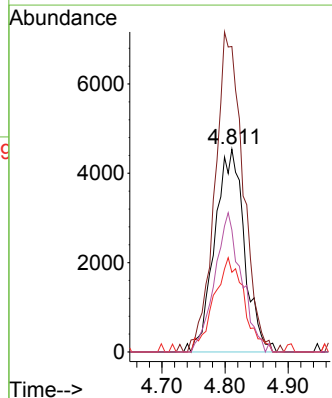
Ion Ratio Lower Upper

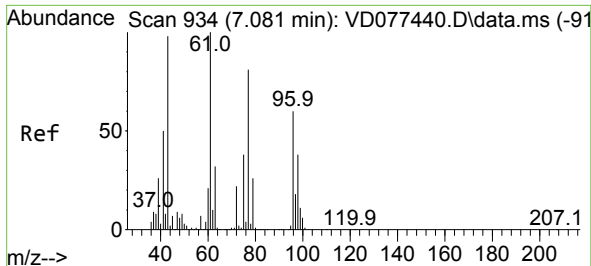
84 100

49 147.3 71.4 107.2#

51 39.3 24.5 36.7#

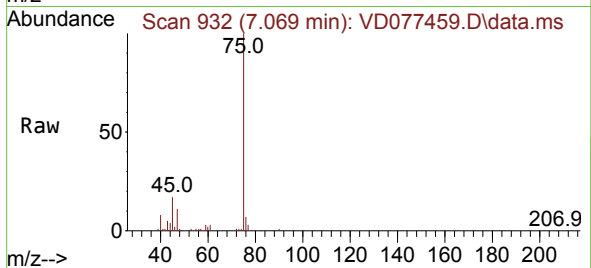
86 60.1 48.7 73.1



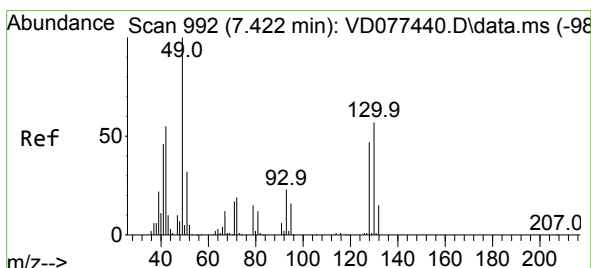
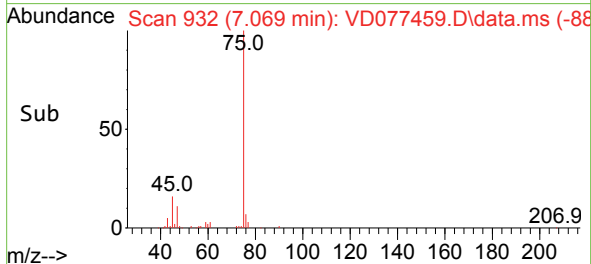
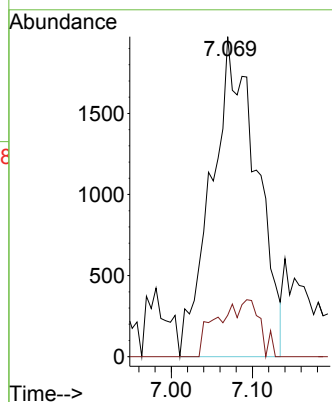


#25
2-Butanone
Concen: 5.644 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

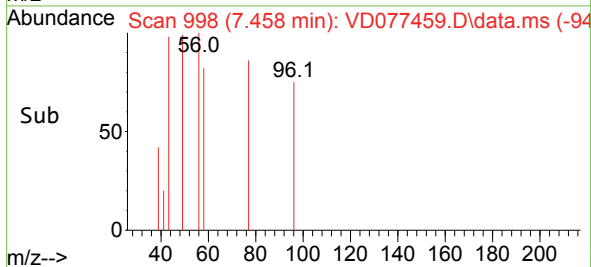
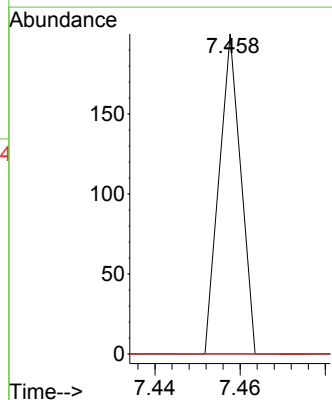
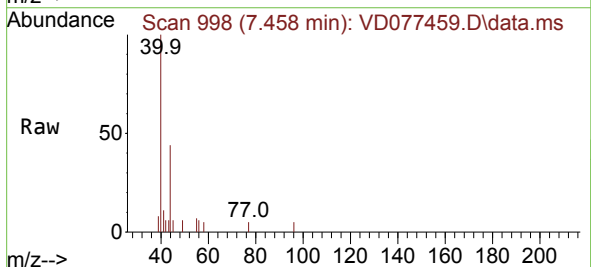


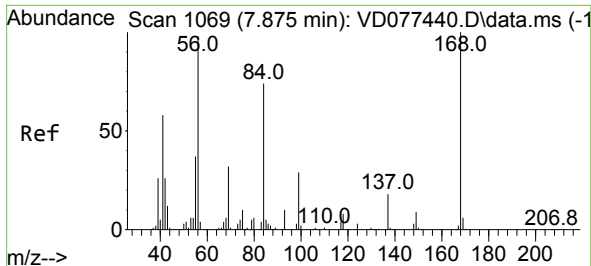
Tgt Ion: 43 Resp: 7580
Ion Ratio Lower Upper
43 100
72 13.0 30.7 46.1#



#28
Bromochloromethane
Concen: 2.127 ug/l
RT: 7.458 min Scan# 998
Delta R.T. 0.036 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

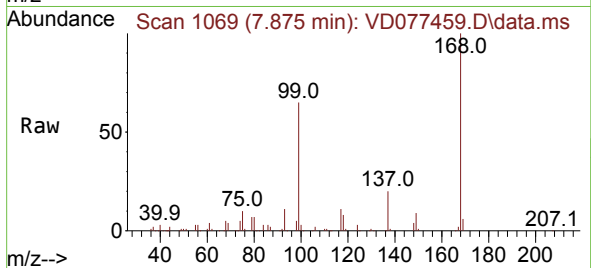
Tgt Ion: 49 Resp: 71
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



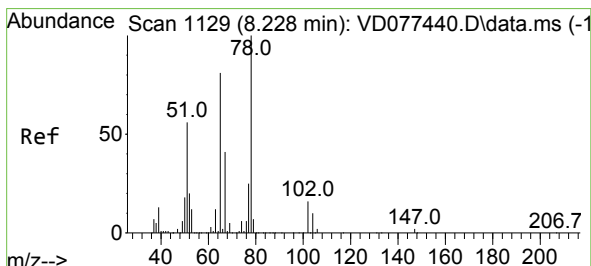
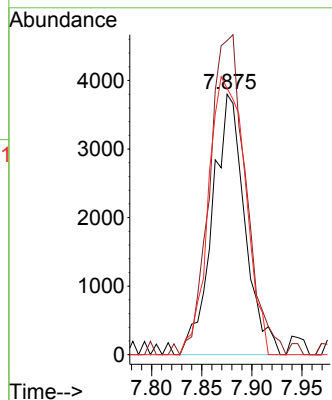
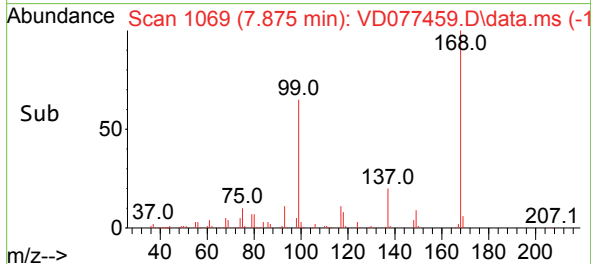


#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

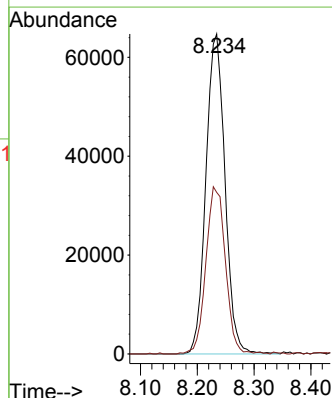
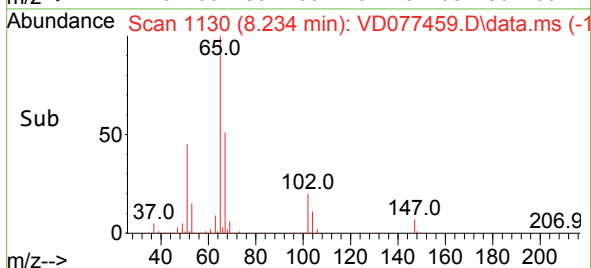
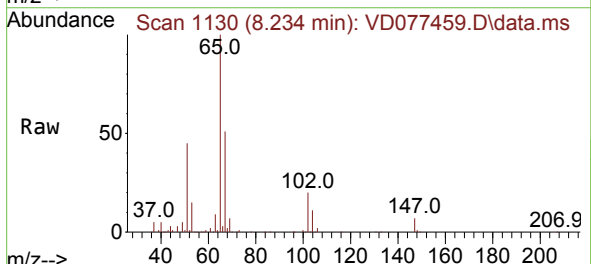


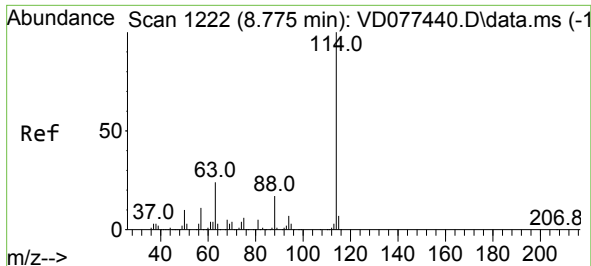
Tgt Ion: 56 Resp: 8564
Ion Ratio Lower Upper
56 100
69 120.6 28.6 43.0#
84 102.3 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 39.493 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Tgt Ion: 65 Resp: 150285
Ion Ratio Lower Upper
65 100
67 53.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

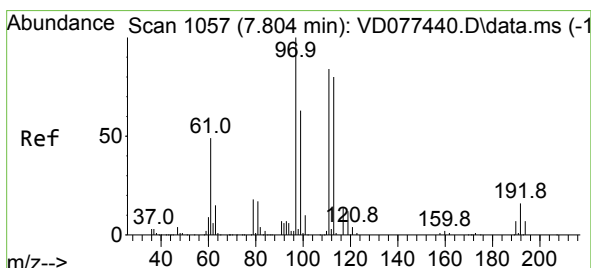
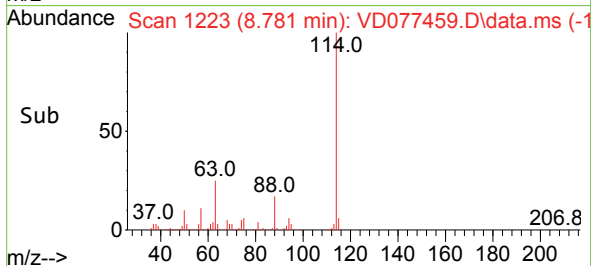
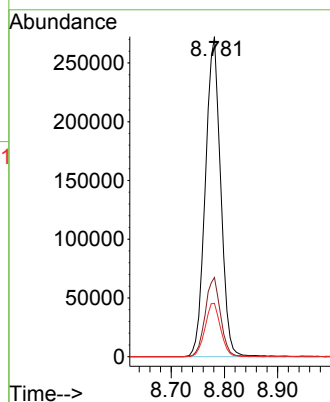
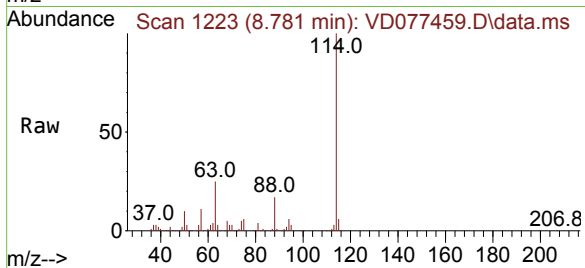
Tgt Ion:114 Resp: 542857

Ion Ratio Lower Upper

114 100

63 24.8 0.0 33.4

88 16.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.477 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

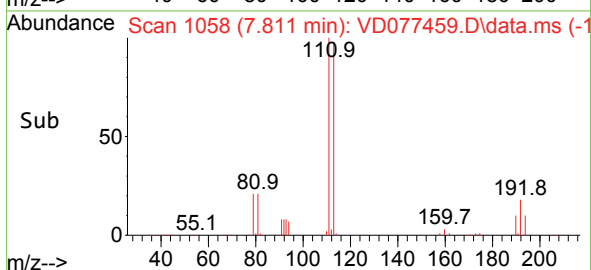
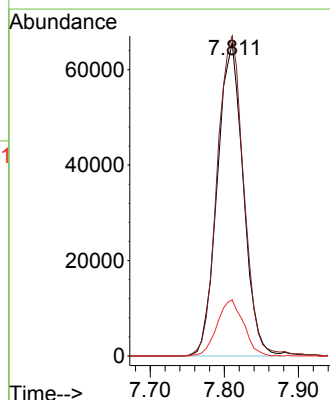
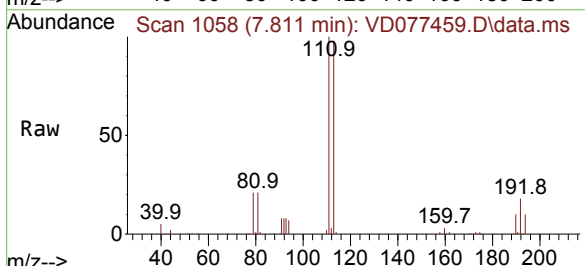
Tgt Ion:113 Resp: 159374

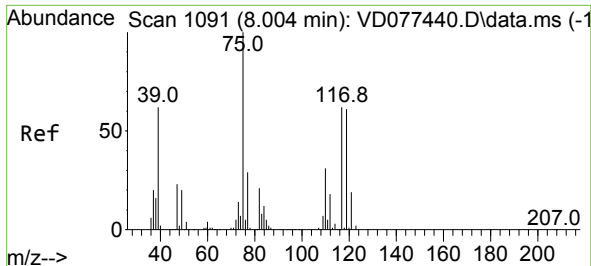
Ion Ratio Lower Upper

113 100

111 104.9 84.7 127.1

192 18.3 16.8 25.2

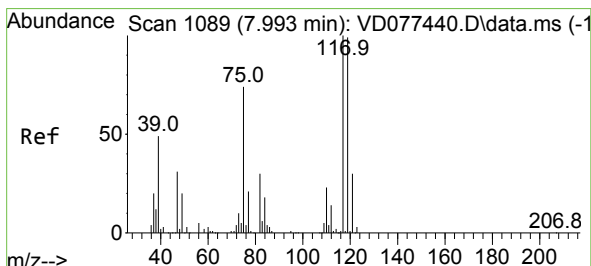
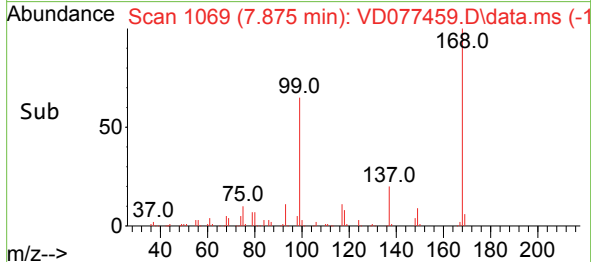
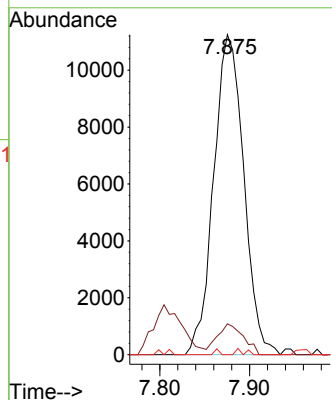
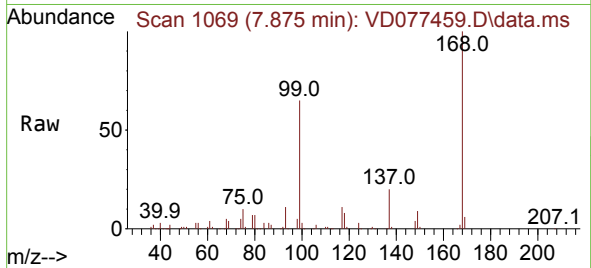




#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

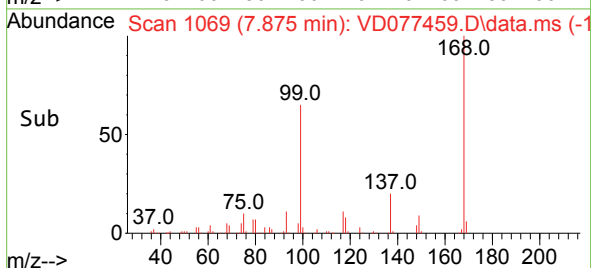
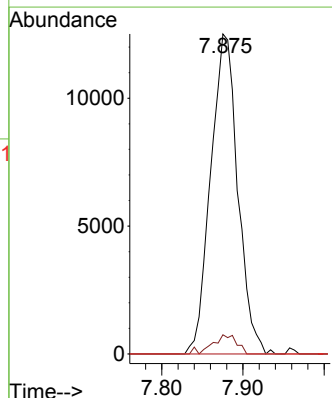
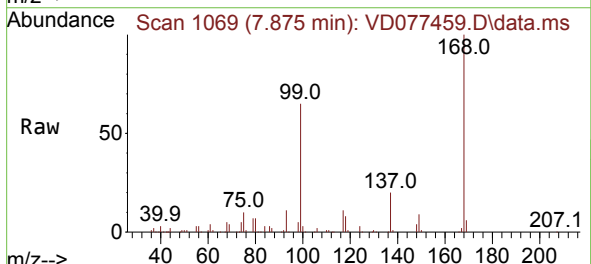
Instrument :
MSVOA_D
ClientSampleId :

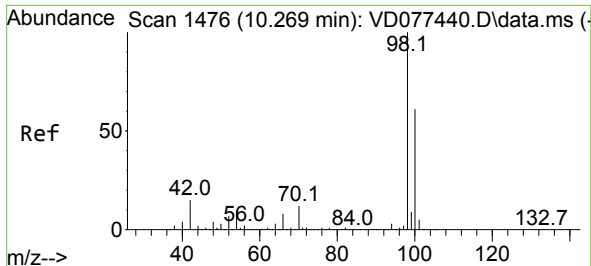
Tgt Ion: 75 Resp: 26181
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.3 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Tgt Ion: 117 Resp: 29067
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.2 36.2#

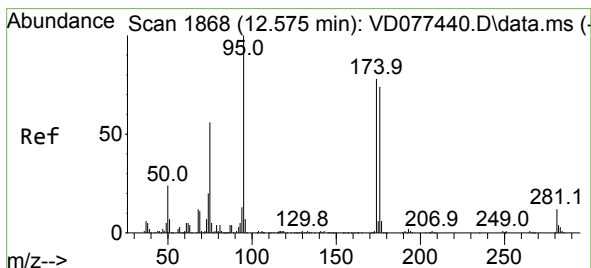
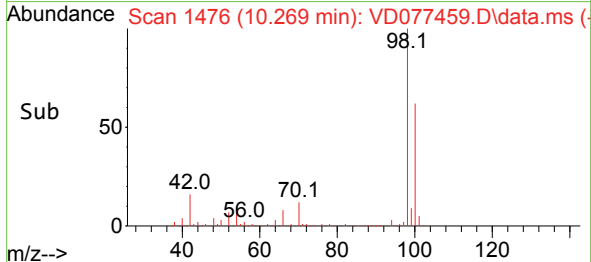
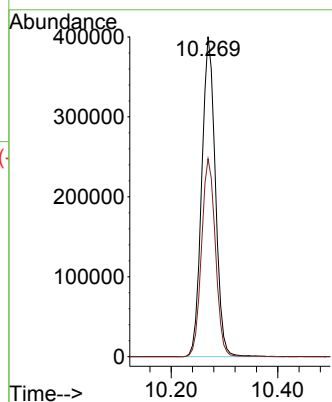
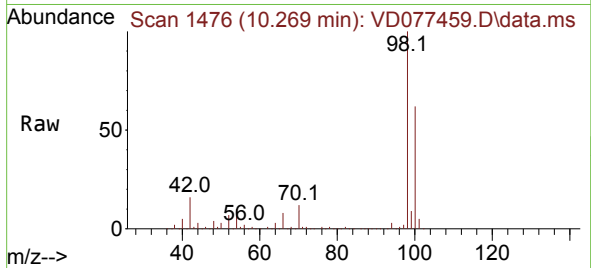




#50
Toluene-d8
Concen: 48.775 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

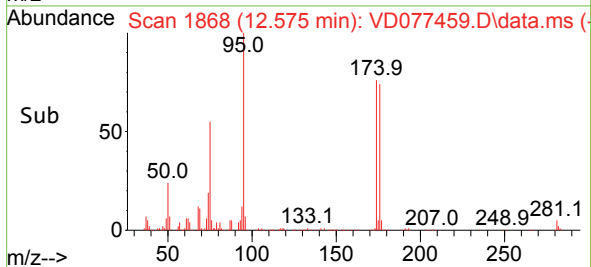
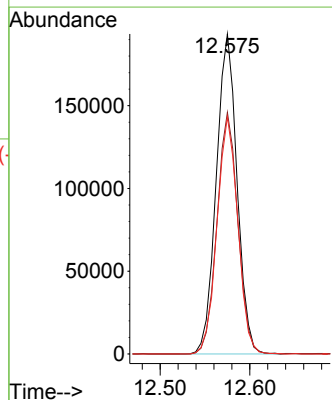
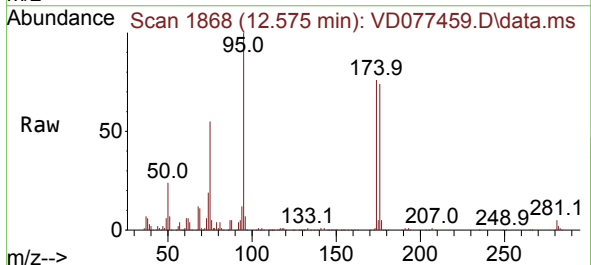
Instrument :
MSVOA_D
ClientSampleId :

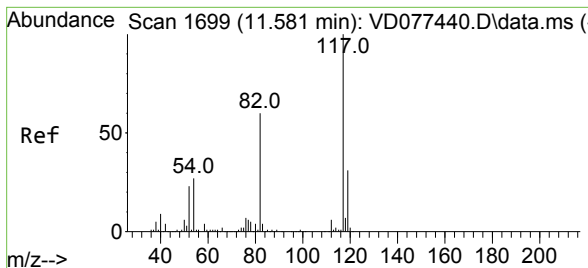
Tgt Ion: 98 Resp: 710838
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 63.279 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Tgt Ion: 95 Resp: 310606
Ion Ratio Lower Upper
95 100
174 75.8 0.0 201.8
176 73.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

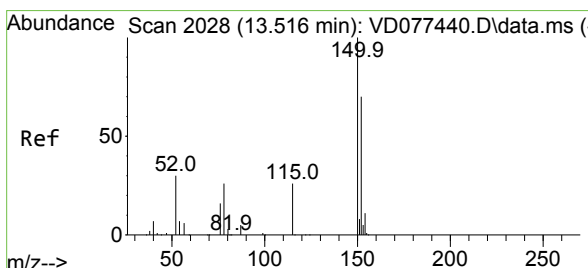
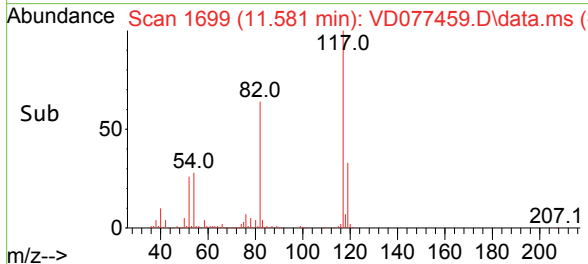
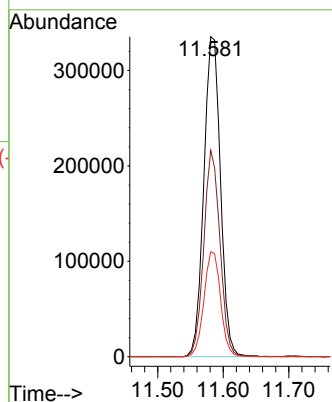
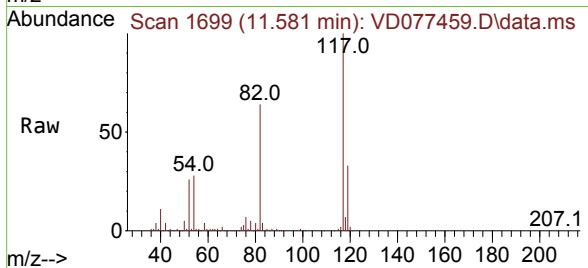
Tgt Ion:117 Resp: 594845

Ion Ratio Lower Upper

117 100

82 64.4 38.3 57.5#

119 32.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077459.D

Acq: 31 Oct 2023 14:25

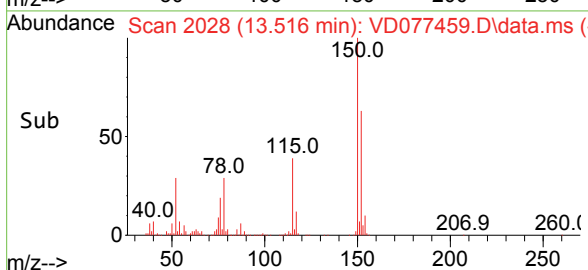
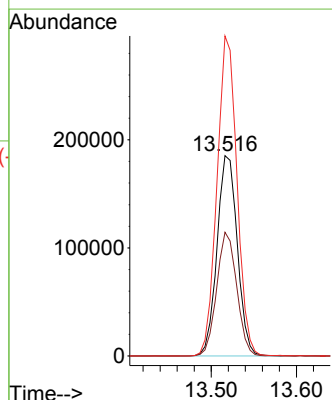
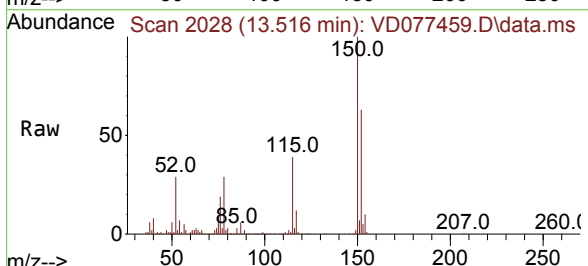
Tgt Ion:152 Resp: 307085

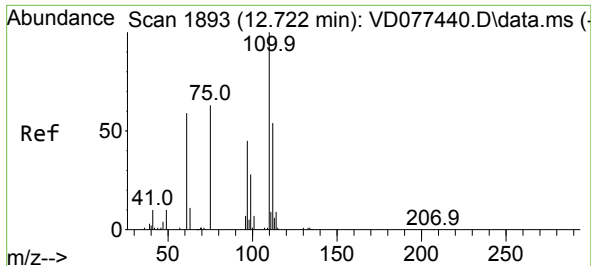
Ion Ratio Lower Upper

152 100

115 61.0 27.1 81.3

150 157.1 0.0 353.6

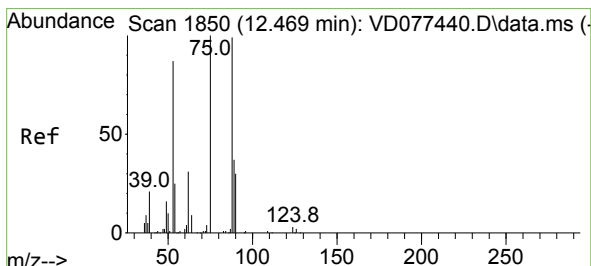
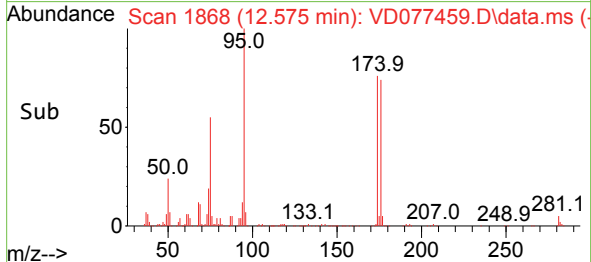
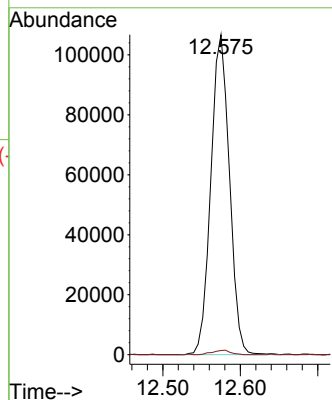
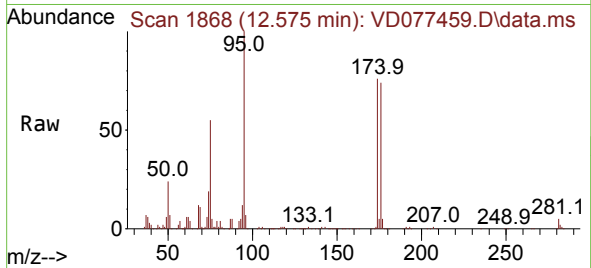




#76
1,2,3-Trichloropropane
Concen: 47.645 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 178073
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.032 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077459.D
Acq: 31 Oct 2023 14:25

Tgt Ion: 75 Resp: 178073
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

